## PATENT COOPERATION TREATY

# **PCT**

# **INTERNATIONAL SEARCH REPORT**

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.								
MASIMO.149VP	20) as well as, where applicable, item 5 below.								
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)							
PCT/US 99/31054	28/12/1999	30/12/1998							
Applicant	*								
MASIMO CORPORATION									
This International Search Report has bee according to Article 18. A copy is being tra	n prepared by this International Searching Auth	nority and is transmitted to the applicant							
This International Search Report consists									
It is also accompanied by	a copy of each prior art document cited in this	герогт.							
Basis of the report									
	international search was carried out on the bas ess otherwise indicated under this item.	sis of the international application in the							
the international search w Authority (Rule 23.1(b)).	as carried out on the basis of a translation of the	ne international application furnished to this							
b. With regard to any nucleotide an was carried out on the basis of the		ternational application, the international search							
1	onal application in written form.								
filed together with the inte	rnational application in computer readable form	n.							
furnished subsequently to this Authority in written form.									
furnished subsequently to	this Authority in computer readble form.								
	osequently furnished written sequence listing do s filed has been furnished.	oes not go beyond the disclosure in the							
the statement that the info furnished	the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished								
2. Certain claims were fou	nd unsearchable (See Box I).								
3. Unity of invention is lac	king (see Box II).								
4. With regard to the title,	·								
the text is approved as su	bmitted by the applicant.								
the text has been establis	hed by this Authority to read as follows:								
5. With regard to the abstract,	hmittad by the applicant								
	hed, according to Rule 38.2(b), by this Authori a date of mailing of this international search rep								
6. The figure of the <b>drawings</b> to be publ	ished with the abstract is Figure No.	4							
X as suggested by the appli	cant.	None of the figures.							
because the applicant fail	ed to suggest a figure.								
because this figure better	characterizes the invention.								

#### INTERNATIONAL SEARCH REPORT

International Application No PCT/US 99/31054

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61B5/00 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 A61B Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X US 5 651 370 A (HERSH ET AL.) 1,12 29 July 1997 (1997-07-29) column 6, line 10 -column 9, line 38 US 5 243 992 A (ECKERLE ET AL.) Α 1,5-7, 14 September 1993 (1993-09-14) 12,14,15 abstract column 7, line 19 -column 12, line 55 US 4 960 126 A (CONLON ET AL.) Α 1,4-7,2 October 1990 (1990-10-02) 12,14-16 column 5, line 17 -column 8, line 50 figures 6,7 WO 94 27492 A (NIMS, INC.) Α 1,5,12, 8 December 1994 (1994-12-08) page 12, line 21 -page 14, line 22 figure 1 Further documents are listed in the continuation of box C. Patent family members are listed in annex. ° Special categories of cited documents : "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or other means ments, such combination being obvious to a person skilled document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 21 April 2000 02/05/2000 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Chen, A Fax: (+31-70) 340-3016

1

# INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 99/31054

		PC1/U3 99/31U54						
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT								
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.						
A	CHRIST F ET AL: "TIME DISCRETE, NEAR INFRARED PHOTOPLETHYSMOGRAPHY (NIRP) FOR NON-INVASIVE INVESTIGATION OF THE VOLUME PULSE IN MAN" EUROPEAN JOURNAL OF MEDICAL RESEARCH, DE, MUNICH, vol. 1, no. 5, 22 February 1996 (1996-02-22), pages 237-243, XP000199941 ISSN: 0949-2321 page 240, right-hand column, line 8 -page 241, left-hand column, line 10 figure 5	1,2,12,						

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Information on patent family members

International Application No PCT/US 99/31054

Patent document cited in search report	t	Publication date	Patent family member(s)	,	Publication date
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US 5243992	Α	14-09-1993	NONE		
US 4960126	Α	02-10-1990	NONE		
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